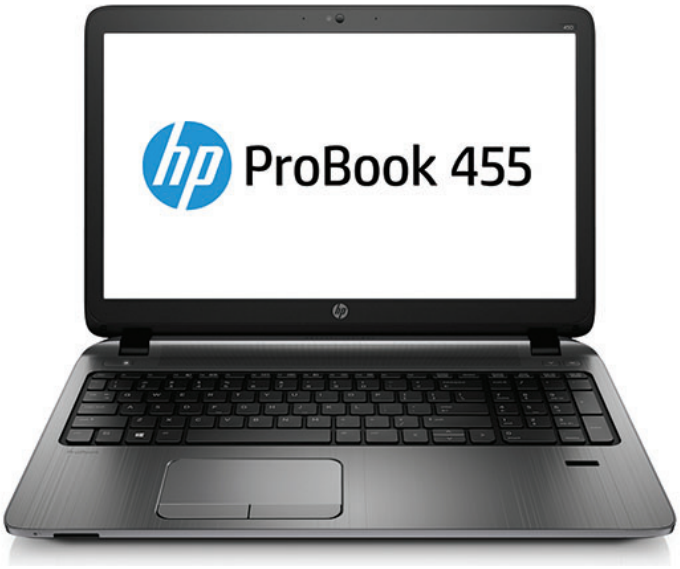
Datasheet

HP ProBook 455 G2 Notebook PC

Protect your data and investment with the ProBook designed to deliver impressive performance and reliability. Take on your workday with the budget friendly HP ProBook 455 G2.



HP recommends Windows.

Windows 8.1[11]
Screen Size: 39,6 cm (15.6") diagonal

Affordable performance.

Help boost productivity and enjoy the robust performance of cost effective and energy-efficient AMD APUs[1] with optional AMD discrete graphics[2] supporting AMD Switchable Graphics[3] and optional AMD Radeon™ Dual Graphics[4] in the HP ProBook 455 G2.

Safeguard data and devices.

Help keep sensitive data secure with rock solid security features like HP Client Security,[5] and HP BIOS Protection,[6] as well as the embedded TPM 1.2.

Designed for mobility.

The soft touch paint on the LCD cover and brushed aluminum keyboard deck help you travel in style with reliable and sleek 39,6 cm (15.6") diagonal HP ProBook 455 G2 that withstood the 115,000 hour HP Total Test Process.

Featuring

Guard your data, device and identity with HP Client Security.[5]
HP BIOS Protection's[6] automated recovery restores a copy of the BIOS from a partition on the hard drive if crisis strikes.
With TPM 1.2 your critical data has protection with hardware-based encryption keys.
Rest easy with a ProBook that endures 115,000 hours of testing to help ensure reliability in the most demanding work environments.
Help protect sensitive electronics and key components from minor spills with a thin layer of Mylar film in the backlit[7] spill-resistant keyboard.

Optional AMD discrete graphics[2] supporting AMD Switchable Graphics[3] and optional AMD Radeon™ Dual Graphics[4] on the HP ProBook 455 provide outstanding visual experiences on the HD display.
Easily share your internet connection with devices or colleagues to get productive fast.[8]
Gain faster, more reliable wireless than ever. Stay connected with less interference using the built-in wireless support and optional Bluetooth® wireless technology.[9]
The latest storage options ensure optimum performance from your HP ProBook. Choose from a range of SSD and HDD drive options for up to 1.5TB of storage.[10]

Datasheet

HP ProBook 455 G2 Notebook PC

HP recommends Windows.

Operating System	Windows 8.1 Pro 64[1] Windows 8.1 64[1] Windows 7 Professional 64 (available through downgrade rights from Windows 8.1 Pro 64)[2] Windows 7 Professional 64[1] Windows 7 Home Premium 64[1] Windows 7 Home Basic 64[1] FreeDOS 2.0
Processor Family	AMD A10 APU; AMD A8 APU; AMD A6 APU[4]
Processor	AMD Quad-Core A10-7300 APU with Radeon R6 Graphics (2 GHz, up to 3.2 GHz, 2 MB cache); AMD Quad-Core A8-7100 APU with Radeon R5 Graphics (1.8 GHz, up to 3 GHz, 2 MB cache); AMD Dual-Core A6 Pro-7050B APU with Radeon R4 Graphics (2.2 GHz, up to 3 GHz, 1 MB cache)[4]
Chipset	AMD A76M FCH
Memory	Up to 16 GB 1600 MHz DDR3L SDRAM Memory slots: 2 SODIMM
Internal Storage	up to 500 GB SATA (7200 rpm)[6] 320 GB up to 1.5 TB SATA (5400 rpm)[6] up to 128 GB SSD[6]
Upgrade Bay	DVD+/-RW SuperMulti DL; DVD-ROM
Display	39,6 cm (15.6") diagonal LED-backlit HD anti-glare (1366 x 768)[11]
Graphics	AMD Radeon R6 (AMD A10 APU configurations); AMD Radeon R5 (AMD A8 APU configurations); AMD Radeon R4 (AMD A6 APU configurations)
Audio/Visual	HD audio with DTS Sound+; 2 integrated stereo speakers; Dual array microphones (for models configured with webcam); Integrated microphone (for models without webcam) Headphone and microphone combo jack
Wireless Support	Realtek 802.11b/g/n (1x1); Realtek 802.11b/g/n (1x1) and Bluetooth® 4.0 Combo; Broadcom 802.11a/b/g/n (2x2) and Bluetooth® 4.0 Combo[8,9]
Communications	Realtek Ethernet (10/100/1000)
Expansion Slots	1 multi-format digital media reader
Ports and Connectors	2 USB 3.0; 2 USB 2.0; 1 HDMI; 1 headphone/microphone combo; 1 AC power; 1 RJ-45; 1 VGA
Input Device	Full-sized, spill resistant keyboard; Full-sized, spill resistant backlit keyboard (optional)[10] Touchpad with gestures support, on/off button, two-way scroll, taps and gestures enabled, and finger zoom (pinch) 720p HD webcam (select models)[11]
Software	Buy Office; HP Client Security Manager; HP Drive Encryption; HP Device Access Manager; HP Computrace; HP File Sanitizer; HP Connection Manager; HP Wireless Hotspot; HP PageLift; HP ePrint; HP Hotkey Support; HP 3D Driveguard; HP Wireless Button Driver; HP Recovery Disc Creator (models with Windows 7); HP Support Assistant; HP SoftPaq Download Manager; CyberLink PowerDVD; CyberLink Power2Go; CyberLink YouCam BE (models with Windows 7); Foxit PhantomPDF Express; Microsoft Security Essentials; Bing Search; Skype ready; Box[12,13,14,15,16,17,18,19,20,22,25]
Security	Standard: HP Client Security, Microsoft Defender (models with Windows 8), Drive Encryption, HP BIOS Protection, Security lock slot, TPM 1.2 Embedded Security Chip; Optional: HP Fingerprint Reader[25,26]
Dimensions	37.5 x 26.28 x 2.34 to 2.55 cm (front to rear)
Weight	Starting at 2.2 kg
Energy Efficiency Compliance	ENERGY STAR® qualified configurations available
Environmental Specifications	Low halogen
Power	45 W Smart AC adapter; 65 W EM Smart AC adapter; 65 W Smart AC adapter
Battery Type	4-cell, 44 WHr Li-ion; 4-cell, 40 WHr Long Life Li-ion
Warranty	1-year limited warranty (upgrades available, sold separately), 1-year warranty on primary battery

Datasheet

HP ProBook 455 G2 Notebook PC

HP recommends Windows.

Accessories and services (not included)

HP 3005pr USB 3.0 Port Replicator

Everything you need every day, ready with one simple connection. The HP 3005pr USB 3.0 Port Replicator is our ultimate platform-independent hot desking solution. Get online, make up to six of your everyday USB devices immediately available, and expand your productivity with connection to two external displays—all through one USB 3.0 cable.
Product number: H1L08AA

HP Comfort Grip Wireless Mouse

The HP Comfort Grip Wireless Mouse features a 30-month battery life and a bold, modern design that integrates seamlessly with HP Business Notebooks.
Product number: H2L63AA

HP Ultraslim Keyed Cable Lock

Secure your HP Ultrabook™ or laptop PC quickly and easily with the HP Ultraslim Keyed Cable Lock.
Product number: H4D73AA

HP Business Top Load Case

Comfortably carry your notebook and everyday accessories in the stylish and durable HP Business Top Load Case.
Product number: H5M92AA

HP 90W Slim AC Adapter

Be productive with the HP Slim 90W Combo Adapter, which can power your HP Business Notebook or Ultrabook™.
Product number: H6Y83AA

3-year Next Business Day Onsite

Care Pack

Receive 3 years of next business day onsite repair from an HP-qualified technician for your computing device, if the issue cannot be solved remotely
Product number: UK703E

Learn more at
www.hp.eu/hpoptions

HP ProBook 455 G2 Notebook PC

HP recommends Windows.

Footnotes

[1] This system requires a separately purchased 64-bit operating system and 64-bit software products to take advantage of the 64-bit processing capabilities of AMD technology. Multi-core processing available with AMD technology is designed to improve performance of this system. Given the wide range of software applications available, performance of a system including a 64-bit operating system and a dual-core processor will vary. AMD's model numbering is not a measurement of clock speed.; [2] Sold separately or as an optional feature.; [3] AMD Dynamic Switchable Graphics technology requires either an AMD "A" series APU or an Intel processor, plus an AMD Radeon™ discrete graphics configuration and is not available on FreeDOS and Linux OS. With AMD Dynamic Switchable Graphics technology, full enablement of all discrete graphics video and display features may not be supported on all systems (e.g. OpenGL applications will run on the integrated GPU or the APU as the case may be).; [4] AMD Radeon™ Dual Graphics requires an AMD "A" series APU plus optional AMD Radeon™ discrete graphics configuration and is available on Windows 7 or Windows 8 systems. Linux OS supports manual switching which requires restart of X-Server to engage and/or disengage the discrete graphics processor for dual graphics capabilities. Additional hardware (e.g. Blu-ray drive, HD or 10-bit monitor, TV tuner, wirelessly enabled HDTV) and/or software (e.g. multimedia applications) are required for the full enablement of some features. HD Video display requires an HD video source.; [5] Requires Windows.; [6] HP tools partition with HP BIOS required for automatic recovery.; [7] Backlit keyboard is expected to be available in Summer, 2014 as an optional feature.; [8] The wireless hotspot application requires an active internet connection and separately purchased data plan. While HP wireless hotspot is active, on-device applications will continue to work and will use the same data plan as the wireless hotspot. Wireless hotspot data usage may incur additional charges. Check with your plan for details.; [9] 4G LTE WWAN is not available on all products, in all regions and requires separately purchased service contract. Check with service provider for coverage and availability. Connection speeds will vary due to location, environment, network conditions, and other factors.; [10] For hard drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 30GB of system disk (for Windows 8.1) is reserved for system recovery software.; [11] Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers and/or software to take full advantage of Windows functionality. See http://www.microsoft.com.

Technical specifications disclaimers

[1] Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers and/or software to take full advantage of Windows functionality. See http://www.microsoft.com for details.; [2] This system is preinstalled with Windows 7 Professional software and also comes with a license and media for Windows 8.1 Pro software. You may only use one version of the Windows software at a time. Switching between versions will require you to uninstall one version and install the other version. You must back up all data (files, photos, etc.) before uninstalling and installing operating systems to avoid loss of your data.; [4] Multi-Core is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. 64-bit computing system required. Performance will vary depending on your hardware and software configurations. AMD's numbering is not a measurement of clock speed.; [6] For storage drives, GB = 1 billion bytes. TB = 1 trillion bytes. Actual formatted capacity is less. Up to 30GB (for Windows 8) is reserved for system recovery software.; [7] Double-layer discs can store more data than single layer discs. However, double-layer discs burned with this drive may not be compatible with many existing single-layer DVD drives and players. Note that this drive cannot read or write to 2.6 GB single-sided/5.2 GB double-sided – version 1.0 media. Don't copy copy-right protected materials.; [8] Wireless is an optional add- on feature and requires wireless access point and Internet service is required and is not included. Availability of public wireless access points limited.; [9] Mobile Broadband is an optional feature and requires factory configuration. Use requires separately purchased service contract.Check with service provider for coverage and availability in your area. Connection speeds will vary due to location, environment, network conditions, and other factors. 4G LTE not available on all products, and in all regions.; [10] Optional backlit keyboard and touchscreen are planned to be available in July 2014; [11] HD content required to view HD images.; [12] The HP Wireless Hotspot application requires an active internet connection and separately purchased data plan. While HP wireless hotspot is active, on-device applications will continue to work and will use the same data plan as the wireless hotspot. Wireless hotspot data usage may incur additional charges. Check with your service provider for plan details. Requires Windows 8.1 or HP Connection Manager for Windows 7.; [13] ePrint requires an Internet connection to HP web-enabled printer. HP ePrint account registration required. For a list of eligible printers, supported documents and image types, and for complete details, see wwwhp.com/eprint; [14] HP Drive Encryption requires Windows. Data is protected prior to Drive Encryption login. Turning the PC off or into hibernate logs out of Drive Encryption and prevents data access.; [15] The Computrace agent is shipped turned off, and must be activated by customers when they purchase a subscription. Subscriptions can be purchased for terms ranging from one to multiple years. Service is limited, check with Absolute for availability outside the U.S.; [16] File Sanitizer is for the use cases outlined in the DOD 5220.22-M Supplement. Does not support Solid State Drives (SSDs). Initial setup required. Web history deleted only in Internet Explorer and Firefox browsers and must be user enabled.; [17] HP PageLift requires Windows 8.; [18] HP 3D Drive Guard requires Windows.; [19] HP Support Assistant: internet access required; [20] Microsoft Security Essentials on Windows 7 only. Internet access required.; [21] External power supplies, power cords, cables and peripherals are not Low Halogen. Service parts obtained after purchase may not be Low Halogen.; [22] Skype is not offered in China.; [23] AMD Radeon™ Dual Graphics requires an AMD "A" series APU plus optional AMD Radeon™ discrete graphics configuration and is available on Windows 8.1, Windows 8.1 Pro, Windows 7 Professional, Windows 7 Ultimate, Windows 7 Home Premium, and/or Windows 7 Home Basic OS. Linux OS supports manual switching which requires restart of X-Server to engage and/or disengage the discrete graphics processor for dual graphics capabilities. Additional hardware (e.g. Blu-ray drive, HD or 10-bit monitor, TV tuner, wirelessly enabled HDTV) and/or software (e.g. multimedia applications) are required for the full enablement of some features. HD Video display requires an HD video source; [24] AMD Dynamic Switchable Graphics technology requires either an AMD "A" series APU or an Intel processor, plus optional AMD Radeon™ discrete graphics configuration and is not available on FreeDOS and Linux OS. With AMD Dynamic Switchable Graphics technology, full enablement of all discrete graphics video and display features may not be supported on all systems (e.g. OpenGL applications will run on the integrated GPU or the APU as the case may be).; [25] HP Client Security Manager requires Windows.; [26] Microsoft Defender requires internet access.

Learn more at
www.hp.eu/notebooks

Get engaged with HP Financial Services
Get engaged with HP Financial Services to implement innovative technologies essential for driving business value and competitive differentiation. More information on www.hp.com/go/hpfs.

Sign up for updates
www.hp.com/go/getupdated

The product could differ from the images shown. © 2014 Hewlett-Packard Development Company, L.P. The information contained herein is subject to change without notice. Specific features may vary from model to model. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein. Not all features are available in all editions of Windows 8.1. Systems may require upgraded and/or separately purchased hardware to take full advantage of Windows 8.1 functionality. See http://www.microsoft.com/windows for details. Microsoft, Windows, and the Windows Logo are U.S. registered trademarks of Microsoft Corporation. Bluetooth is a trademark of its proprietor and used by Hewlett-Packard Company under license. ENERGY STAR is a registered mark owned by the U.S. government. AMD and Radeon are trademarks of Advanced Micro Devices, Inc. All other trademarks are the property of their respective owners.

4AA5-2708EEE, June 2014